

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                             | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| S1    | 715  | "processing element"<br>and "input port" | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:15 |
| S2    | 675  | S1 and Data                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:15 |
| S3    | 259  | S1 and wait                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:15 |
| S4    | 504  | S1 and switch                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:15 |
| S5    | 484  | S2 and S4                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:16 |
| S6    | 484  | S5 and S5                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:16 |
| S7    | 219  | S5 and S3                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:16 |
| S8    | 89   | S7 and arithmetic logic<br>unit          | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/01/22<br>01:16 |
| S9    | 774  | "processing element"<br>and "input port" | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/10/15<br>05:55 |
| S10   | 733  | S9 and Data                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ              | OFF     | 2007/10/15<br>05:55 |

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|-----|------|----------------------------------|--|-----|-----|---------------------|
| S11 | 542  | S9 and switch                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2007/10/15<br>05:55 |
| S12 | 522  | S10 and S11                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2007/10/15<br>05:55 |
| S13 | 522  | S12 and S12                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2007/10/15<br>05:55 |
| S14 | 277  | S9 and wait                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2007/10/15<br>05:55 |
| S15 | 233  | S12 and S14                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2007/10/15<br>05:55 |
| S16 | 95   | S15 and arithmetic<br>logic unit | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2007/10/15<br>05:55 |
| S17 | 1    | "5822559".pn.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/06/04<br>05:06 |
| S18 | 1    | "5742782".pn.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>02:23 |
| S19 | 4625 | SIMD                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:25 |
| S20 | 1595 | mmx                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:25 |
| S21 | 941  | vector registers                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:25 |
| S22 | 1715 | S19 and "712".clas.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:25 |

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|-----|--------|---|--|-----|-----|---------------------|
| S23 | 0      | S20 and "712.clas"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:25 |
| S24 | 363    | S20 and "712".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:25 |
| S25 | 185    | fine grain\$3 with (MT<br>or multithreading)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:26 |
| S26 | 10598  | SMT   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:26 |
| S27 | 283    | S26 and "712".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/07/10<br>08:26 |
| S28 | 19     | ("3,814,924"<br>"4,825,401"<br>"4,953,119"<br>"5,187,796"<br>"5,390,135"<br>"5,442,799"<br>"5,448,509"<br>"5,467,131"<br>"5,477,543"<br>"5,521,856"<br>"5,586,070"<br>"5,590,350"<br>"5,673,321"<br>"5,819,101"<br>"5,872,965"<br>"5,881,275"<br>"5,883,824"<br>"6,058,465"<br>"6,381,690").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR  | OFF | 2008/08/04<br>03:05 |
| S29 | 424050 | vector multiply   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR  | OFF | 2008/08/04<br>03:30 |
| S30 | 424    | vector multiply   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2008/08/04<br>03:30 |
| S31 | 0      | "10757925".an.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2009/12/09<br>17:11 |

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|-----|------|---|--|-----|-----|---------------------|
| S32 | 1    | "10757925"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2009/12/09<br>17:11 |
| S33 | 47   | moll.xa.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2009/12/15<br>16:54 |
| S34 | 1    | "6,381,690".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2009/12/16<br>01:14 |
| S35 | 26   | ("3810112"  <br>"4085447"   "4545032"<br>  "4567572"  <br>"4816817"   "4937574"<br>  "4980853"  <br>"5027318"   "5043935"<br>  "5107415"  <br>"5268858"   "5390135"<br>  "5471628"  <br>"5524256"  <br>"5631927").PN. OR<br>("6381690").URPN. | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2009/12/16<br>01:15 |
| S36 | 148  | 712/2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2009/12/16<br>02:50 |
| S37 | 2991 | (vector or simd) same<br>permut\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:27 |
| S39 | 1596 | (vector or simd) with<br>permut\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:28 |
| S40 | 847  | S39 and "7"??clas.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:28 |
| S41 | 1    | "20090150648".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:28 |
| S42 | 1    | "20060227966".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:30 |

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| S43 | 0   | 712/9.034.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:39 |
| S44 | 20  | permute.ti.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:40 |
| S45 | 77  | G06F9/315   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:41 |
| S46 | 0   | 712/E9.034  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:42 |
| S47 | 0   | "E9.034"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:42 |
| S48 | 0   | "E9 034"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:42 |
| S49 | 461 | 712/300.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>18:43 |
| S50 | 35  | ("3371320"  <br>"3400379"   "3404373"<br>  "3474413"  <br>"3577186"  <br>"3593317").PN. OR<br>("3812467").URPN. | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>19:00 |
| S51 | 7   | ("3812467"  <br>"4866421"   "4918600"<br>  "4931925"  <br>"5107415"   "5265237"<br>  "5398328").PN.             | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>19:14 |
| S52 | 28  | "6334176"   | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>20:02 |
| S53 | 1   | "6334176".pn.   | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>20:02 |

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| S54 | 11  | ("4888679"  <br>"5175862"   "5513366"<br>  "5526501"  <br>"5640524"   "5832288"<br>  "5838984"  <br>"5922066"   "5933650"<br>  "5996057"  <br>"6098162").PN. | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>20:04 |
| S55 | 2   | ("5553309"  <br>"5990821").PN.   | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>20:05 |
| S56 | 8   | (Scales and Hunter<br>and Ledbetter).in.   | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>20:07 |
| S57 | 193 | (vector or simd) with<br>select near2 instruction<br>\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:11 |
| S58 | 193 | (vector or simd) with<br>(select near2<br>instruction\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:12 |
| S59 | 144 | (vector or simd) with<br>(select near instruction<br>\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:12 |
| S60 | 26  | S59 and "3"??clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:12 |
| S61 | 122 | S59 and "7"??clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:12 |
| S62 | 140 | S60 or S61   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:12 |
| S63 | 34  | permut\$4.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:30 |
| S64 | 104 | permut\$4.ti.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:30 |
| S65 | 163 | permut\$4 unit   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:38 |

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| S66 | 125 | permut\$4 instruction  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:38 |
| S67 | 5   | ("3731284"  <br>"3988601"   "4181976"<br>  "4602350"  <br>"4646256").PN. | US-PGPUB;<br>USPAT;<br>USOCR             | ADJ | OFF | 2010/09/08<br>20:43 |
| S68 | 673 | permut\$4 with vector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>20:49 |
| S69 | 1   | "5175539".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>21:21 |
| S70 | 259 | crossbar switch with<br>vector   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>21:23 |
| S71 | 259 | (crossbar switch) with<br>vector   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/08<br>21:23 |
| S72 | 0   | (index\$2 or indices)<br>same parallell same<br>duplicates               | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:48 |
| S73 | 84  | (index\$2 or indices)<br>same parallel same<br>duplicates                | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:48 |
| S74 | 24  | "5802357"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:50 |
| S75 | 1   | "5802357".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:50 |
| S76 | 186 | parallel join  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:55 |
| S77 | 10  | parallel join and<br>duplicates  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:56 |

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| S78 | 18  | parallel join and duplicate | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:56 |
| S79 | 8   | S77 and S78                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:56 |
| S80 | 20  | S77 or S78                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>10:56 |
| S81 | 634 | inner join                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>11:10 |
| S82 | 11  | join with non-unique        | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>11:13 |
| S83 | 0   | join with ununique          | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>11:14 |
| S84 | 255 | join with duplicate         | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>11:14 |
| S85 | 14  | vector join                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>11:19 |
| S86 | 1   | "6295599".pn.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | ADJ | OFF | 2010/09/09<br>17:15 |

### EAST Search History (Interference)

| Ref # | Hits | Search Query           | DBs            | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------------|----------------|------------------|---------|------------------|
| L1    | 91   | catenated.clm.         | USPAT;<br>UPAD | ADJ              | OFF     | 2010/11/06 23:54 |
| L2    | 3651 | data elements.<br>clm. | USPAT;<br>UPAD | ADJ              | OFF     | 2010/11/06 23:54 |
| L3    | 15   | l1 and l2              | USPAT;<br>UPAD | ADJ              | OFF     | 2010/11/06 23:55 |



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|-----|---------|--------------------------|----------------|-----|-----|------------------|
| L4  | 0       | I3 and "7812".<br>clas.  | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:55 |
| L5  | 15      | I3 and "712".clas.       | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:55 |
| L6  | 1       | I3 and "708".clas.       | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:55 |
| L7  | 1281487 | select\$4.clm.           | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L8  | 60      | I7 and I1                | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L9  | 1834    | I7 and I2                | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L10 | 31116   | arranging.clm.           | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L11 | 42      | I10 and I9               | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L12 | 0       | I11 and "6712".<br>clas. | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L13 | 0       | I11 and "712".<br>clas.  | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |
| L14 | 0       | I11 and "708".<br>clas.  | USPAT;<br>UPAD | ADJ | OFF | 2010/11/06 23:56 |

**11/ 6/ 2010 11:57:06 PM**

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